

15 April 86

APPENDIX A

BIBLIOGRAPHY

1. Abbott, M. B. 1979. Computational Hydraulics, Elements of the Theory of Free Surface Flows, Pitman, London.
2. Beard, L. R. 1962. "Statistical Methods in Hydrology", U.S. Army Corps of Engineers, Civil Works Investigation Project CW-151.
3. Benson, M. A. 1962. "Plotting Positions and the Economics of Engineering Planning, Proc. ASCE, Vol. 88, No. HY6, pp 57-72.
4. Borgman, L. E., and Resio, D. T. 1977. "External Statistics in Wave Climatology." Ports 77, Vol. 1.
5. Bretschneider, C. L. 1954. "Modification of Wave Height Due to Bottom Friction, Percolation, and Refraction," TM 4-45, U. S. Army Corps of Engineers, Beach Erosion Board, Washington, DC.
6. Bretschneider, C. L. 1959. "Hurricane Design-Wave Practices," Trans. Amer. Society of Civil Engineers, Vol. 124, Paper No. 2965.
7. Bunpaong, M., Reid, R.O., and Whitaker, R. E. 1985. "An Investigation of Hurricane-Induced Forerunner Surge in the Gulf of Mexico," Technical Report CERC-85-5, U. S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
8. Butler, H. L. 1978 (June). "Numerical Simulation of Tidal Hydrodynamics, Great Egg Harbor and Corson Inlets, New Jersey," Technical Report H-78-11, U. S. Army Engineer Waterways Experiment Station, CE, Vicksburg, MS.
9. Butler, H. L. 1978 (Aug - Sept). "Coastal Flood Simulation in Stretched Coordinates," Proceedings of the Sixteenth Coastal Engineering Conference, American Society of Civil Engineers, Vol. 1, p 1030.

15 April 86

10. Butler, H. L. 1970. "Evolution of a Numerical Model for Simulating Long-Period Wave Behavior in Ocean-Estuarine Systems," Estuarine and Wetland Processes, with Emphasis on Modeling, P. Hamilton and K. B. MacDonald, Eds., Proceedings, Symposium on Estuarine and Wetland Processes and Water Quality Modeling, New Orleans, LA., p 147.
11. Butler, H. L. 1982 (Mar). "Finite Difference Numerical Model for Long-Period Wave Behavior: With Emphasis on Storm Surge Modeling," Seminar on Two-Dimensional Flow Modeling, Hydrologic Engineering Center, Davis, CA.
12. Chow, V. T. 1964. Handbook of Applied Hydrology, McGraw-Hill Book Co., New York, pp 8-28 and 8-29.
13. Cline, I. M. 1926. Tropical Cyclones, McMillan Co., New York, p 301.
14. Committee on Tidal Hydraulics. 1980. "Evaluation of Numerical Storm Surge Models," Technical Bulletin No. 21, Office, Chief of Engineers, U. S. Army, Washington, DC.
15. Courant, R., Friedrichs, K. O. and Lewy, H. 1928. "Uber die partiellen differenzengleichungen der mathematischen Physik", Math. Ann., 100, p 32.
16. de Boor, C. 1978. "A Practical Guide to Splines," Applied Math. Sci. 27, Springer-Verlag, New York.
17. de Boor, C. 1979. "Efficient Computer Manipulation of Tensor Products," ACM Trns. Math. Software, Vol. 5 (2): 173-182.
18. Doodson, A. T., and Warburg, H. D. 1941. Admiralty Manual of Tides, Her Majesty's Stationery Office, London, p 270.
19. Garrat, J. R. 1977. "Review of Drag Coefficients over Oceans and Continents," Monthly Weather Review 105, p 915-929.

15 April 86

20. Goda, Y. 1970. "A Synthesis of Breaker Indices," Transactions of the Japanese Society of Civil Engineers Vol. 2, Part 2.
21. Goodyear, H. V. 1968. "Frequency and Areal Distributions of Tropical Storm Rainfall in the United States Coastal Region on the Gulf of Mexico," ESSA Technical Report, WB-7.
22. Grahnam, H. E., and Nunn, D. E. 1959. "Meteorological Considerations Pertinent to Standard Project Hurricane, Atlantic and Gulf Coasts of the United States," Report 33, National Hurricane Research Project, U.S. Department of Commerce, Washington, DC.
23. Harris, D. L. 1963. "Characteristics of the Hurricane Storm Surge," Technical Paper No. 48, U. S. Weather Bureau, Washington, DC.
24. Harris, D. L. 1981 (Feb). "Tides and Tidal Datums in the United States," Special Report 7, Coastal Engineering Research Center, U. S. Army Corps of Engineers.
25. Harris, D. L. 1982. "Data Requirements for the Evaluation of Storm Surge Models," U. S. Nuclear Regulatory Commission, Washington, DC.
26. Ho, F. P. 1974 (Sept). "Storm Tide Frequency Analysis for the Coast of Georgia," NOAA Tech Memo NWS HYDRO-19, National Weather Service.
27. Ho, F. P., Schwerdt, R. W., and Goodyear, H. V. 1975 (May). "Some Climatological Characteristics of Hurricanes and Tropical Storms, Gulf and East Coasts of the United States," NOAA Technical Report, NWS 15.
28. Ho, F. P. 1975 (May). "Storm Tide Frequency Analysis for the Coast of Puerto Rico," NOAA Tech Memo NWS HYDRO-23, National Weather Service.

15 April 86

29. Ho, F. P., and Myers, V. A. 1975 (Nov). "Joint Probability Method of Tide Frequency Analysis Applied to Apalachicola Bay and St. George Sound, Florida," NOAA Tech Report NWS 18, National Weather Service.
30. Ho, F. P., Tracey, R. J. 1975 (May). "Storm Tide Frequency Analysis for the Coast of North Carolina, South of Cape Lookout," NOAA Tech Memo NWS HYDRO-21, National Weather Service.
31. Ho, F. P. and Miller, J. F. 1982 (Aug). "Pertinent Meteorological and Hurricane Tide Data for Hurricane Carla," NOAA Technical Report, NWS 32.
32. Hoel, P. G. 1947. Introduction to Mathematical Statistics, John Wiley and Sons, Inc., New York.
33. Hubertz, J. M. and Wanstrath, J. J. 1979. "A Comparison of Two Numerical Storm Surge Prediction Models," Proceedings of Symposium on Long Waves in the Ocean, Marine Sciences Directorate Manuscript Rpt. Series No. 53, Department of Fisheries and the Environment, Ottawa, Ontario.
34. Jelesnianski, C. P. 1965 (Jun). "A Numerical Calculation of Storm Surges Induced by a Tropical Storm Impinging on the Continental Shelf," Monthly Weather Review, Vol. 93, No. 6, p 343-358.
35. Jelesnianski, C. P. 1966 (Jun). "Numerical Computations of Storm Surges without Bottom Stress," Monthly Weather Review, Vol. 94, No. 6, p 379-394.
36. Jelesnianski, C. P. 1967 (Nov). "Numerical Computations of Storm Surge with Bottom Stress," Monthly Weather Review, Vol. 95, No.11, p 749-756.

15 April 86

37. Jelesnianski, C. P. 1972 (Apr). "SPLASH (Special Program to List Amplitudes of Surges from Hurricanes); Part I: Landfall Storms," NOAA Technical Memorandum NWS TDL-46, National Weather Service, Silver Spring, MD.
38. Jelesnianski, C. P. 1974 (Mar). "SPLASH (Special Program to List Amplitudes of Surges from Hurricanes); Part II: General Track and Variant Storm Conditions," NOAA Technical Memorandum NWS TDL-52, National Weather Service, Silver Spring, MD.
39. Jelesnianski, C. P. 1976 (Jul). "A Sheared Coordinate System for Storm Surge Equations of Motions with a Mildly Curved Coast," NOAA Technical Memorandum NWS TDL-61, National Weather Service, Silver Spring, MD.
40. Jennings, F. D. 1983. "Evaluation of the FEMA Model for Estimating Potential Coastal Flooding from Hurricanes and its Application to Lee County, Florida," Committee on Coastal Flooding From Hurricanes, Advisory Board on the Built Environment, National Research Council. National Academy Press, Washington, DC.
41. Kite, G. W. 1978. Frequency and Risk Analysis in Hydrology, Water Resources Publications, Fort Collins, CO.
42. Leenderste, J. J. 1967. "Aspects of a Computational Model for Long-Period Water Wave Propagation," The Rand Corporation, Santa Monica, CA.
43. Leenderste, J. J. 1970 (Feb). "A Water-Quality Simulation Model for Well-Mixed Estuaries and Coastal Seas, Vol. I, Principles of Computation," RM-6230-rc, Rand Corp., Santa Monica, CA.
44. Miyazaki, M. 1963. "A Numerical Computation of the Storm Surge of Hurricane Carla 1961 in the Gulf of Mexico," Technical Report 10, Department of Geophysical Sciences, University of Chicago, Chicago, IL.

15 April 86

45. Myers, V. A. 1954. "Characteristics of United States Hurricane Pertinent to Levee Design for Lake Okeechobee, Florida," Hydrometeorological Report No.32. U. S. Weather Bureau, Department of Commerce and U. S. Army Corps of Engineers, Washington, DC., p 106.
46. Myers, V.A. 1970 (Apr). "Joint Probability Method of Tide Frequency Analysis Applied to Atlantic City and Long Beach Island, NJ." ESSA Tech WBTM HYDRO 11.
47. Myers, V. A. 1975 (Jun). "Storm Tide Frequencies on the South Carolina Coast," NOAA Tech Report NWS 16, National Weather Service.
48. National Oceanic and Atmospheric Administration. 1972. "Revised Standard Project Hurricane Criteria for the Atlantic and Gulf Coasts of the United States," Memorandum HUR 7-120, National Weather Service, Silver Spring, MD.
49. National Oceanic and Atmospheric Administration. 1979. "Tide Tables, 1980 High and Low Water Predictions, West Coast of North and South America Including the Hawaiian Islands," National Ocean Survey, Rockville, MD.
50. National Oceanic and Atmospheric Administration. 1979. "Tide Tables, 1980 High and Low Water Predictions, East Coast of North and South America Including Greenland," National Ocean Survey, Rockville, MD .
51. Neumann, C. J., and Cry, G. W. 1978 (Jun). "Tropical Cyclones of the North Atlantic 1871-1977," NOAA National Weather Service, Environmental Data Service, Superintendent of Documents, U. S. Government Printing Office, Washington, DC. 20402, Stock No. 003-017-00425-2.
52. Overland, J. E., and Myers, V.A. 1976. "Model of Hurricane Tide in Cape Fear Estuary," Journal of Waterways and Coastal Engineering Division, ASCE, Vol. 102, WW No. 4.

15 April 86

53. Pillsbury, G. B. 1956 (May). "Tidal Hydraulics," U. S. Army Corps of Engineers, Washington, DC.
54. Reid, R. O., and Bodine, B. R. 1968. "Numerical Model for Storm Surges in Galveston Bay," Journal of Waterways and Harbors Division, No. WWI, p 33-57.
55. Reid, R. O., Vastano, A. C., and Reid, T. J. 1977 (Nov). "Development of Surge II program with Application to the Sabine-Calcasieu Area for Hurricane Carla and Design Hurricanes," Technical Report No. 77-13, U. S. Army Coastal Engineering Research Center, CE, Fort Belvoir, VA.
56. Saville, T., Jr. 1961. "Experimental Determination of Wave Setup," Proceedings, Second Technical Conference on Hurricanes, National Hurricane Research Project, Report No. 50, p 242-252.
57. Schwerdt, R. W., Ho, F. P., and Watkins, R. R. 1979. "Meteorological Criteria for Standard Project Hurricane and Probable Maximum Hurricane Windfields, Gulf and East Coasts of the United States," Technical Report NWS 23, National Oceanic and Atmospheric Administration, U. S. Department of Commerce, Washington, DC.
58. Schureman, P. 1941. "Manual of Harmonic Analysis and Prediction of Tides," Special Publication No. 98. U. S. Department of Commerce, Coast and Geodetic Survey, Washington, DC.
59. Tetra Tech, Inc. 1981. "Coastal Flooding Storm Surge Model," Parts 1, 2, and 3, Prepared for the Federal Emergency Management Agency.
60. Thompson, J. F. 1983. "A Boundary-Fitted Coordinate Code for General Two-Dimensional Regions with Obstacles and Boundary Intrusions," Technical Report E-83-8, prepared by Mississippi State University, Mississippi State, MS, for the U. S. Army Engineer Waterways Experiment Station, CE, Vicksburg, MS.

61. U. S. Army Corps of Engineers. 1977. "Shore Protection Manual," Vol. 1, 2, and 3, Third Edition, Coastal Engineering Research Center, Fort Belvoir, VA.
62. U. S. Interagency Advisory Committee on Water Data. 1981. "Guidelines for Determining Flood Flow Frequency," Bulletin No. 178, Published by U. S. Geological Survey, Reston, VA.
63. U. S. Water Resources Council. 1980. "An Assessment of Storm Surge Modeling," Washington, DC.
64. U. S. Weather Bureau. 1959. "Relations Between SPH Isovel Patterns and Probable Maximum Events for Lower New England Area." Memorandum HUR 7-59 Department of Commerce, Washington, DC.
65. U. S. Weather Bureau. 1959. "Relations Between SPH Isovel Patterns and Probable Maximum Events for the New Orleans Area." Memorandum HUR 7-61 Department of Commerce, Washington, DC.
66. Vreugdenhil, C. B. and Voogt, J. 1975 (Sep). "Hydrodynamic Transport Phenomena in Estuaries and Coastal Waters: Scope of Mathematical Models," Symposium on Modeling Techniques, Waterways and Harbors Division of ASCE.
67. Wanstrath, J. J., Whitaker, R. E., Reid, R. O., and Vastano, A. C. 1976 (Nov). "Storm Surge Simulation in Transformed Coordinates, Vol. I and II," U. S. Army Corps of Engineers, Coastal Engineering Research Center, Technical Report No. 76-3.
68. Wanstrath, J. J. 1977 (Sep). "Nearshore Numerical Storm Surge and Tidal Simulation," Technical Report H-77-17, U. S. Army Engineer Waterways Experiment Station, CE, Vicksburg, MS.
69. Wanstrath, J. J., Butler, H. L., Vincent, C. L., Resio, D. T., and Whalin, R. W. 1977 (Oct) "Use of Numerical Models for Computation of Coastal Water Levels," Preprint 3070 ASCE Fall Convention and Exhibit, San Francisco, CA.

15 April 86

70. Wanstrath, J. J. 1978 (Feb). "An Open-Coast Mathematical Storm Surge Model with Coastal Flooding for Louisiana; Theory and Application," Miscellaneous Paper H-78-5, Report 1, U. S. Army Engineer Waterways Experiment Station, CE, Vicksburg, MS.
71. Wanstrath, J. J. 1978 (Feb). "An Open-Coast Mathematical Storm Surge Model with Coastal Flooding for Louisiana; Theory and Application," Miscellaneous Paper H-78-5, Report 2, U. S. Army Engineer Waterways Experiment Station, CE, Vicksburg, MS.
72. Yevjevich, Vujica. 1972. Probability and Statistics in Hydrology, Water Resources Publications, Fort Collins, CO.